

FRATERNAL MEETINGS.

HAWAIIAN LODGE, NO. 21
F. & A. M.

★
THERE WILL BE A STATED meeting of Hawaiian Lodge No. 21, F. & A. M., at its hall, Masonic Temple, corner of Hotel and Alakea streets, THIS (Monday) EVENING, August 7, 1905, at 7:30 o'clock.

TRANSACTION OF BUSINESS.
Members of Pacific Lodge, Lodge 10, Progress, and all visiting brethren, are fraternally invited to attend.
By order of the W. M.
K. R. G. WALLACE, Secretary.

POLYNESIAN ENCAMPMENT
NO. 1, I. O. O. F.

Meets every first and third FRIDAY of the month at 7:30 p. m., in Odd Fellows' Hall, Fort Street.
Visiting brothers cordially invited to attend.

F. M. McGREW, C.P.
L. L. LA PIERRE, Sec'y.

EXCELSIOR LODGE NO. 1,
I. O. O. F.

Meets every TUESDAY evening at 8:00, in Odd Fellows' Hall, Fort Street.
Visiting brothers cordially invited to attend.

F. G. NOYES, N. G.
L. L. LA PIERRE, Secretary.

PACIFIC REBEKAH LODGE,
NO. 1, I. O. O. F.

Meets every second and fourth Thursday, at 7:30 p. m., Odd Fellows' Hall, Fort Street.
Visiting Rebekahs are cordially invited to attend.

LILLIE DUNN, N.G.
JENNY JACOBSON, Sec'y.

HAWAIIAN TRIBE NO. 1,
I. O. R. M.

Meets every second and fourth THURSDAY of each month, in I. O. O. F. Hall.
Visiting brothers cordially invited to attend.

T. F. McTIGHE, Sachem.
E. V. TODD, C.R.

WILLIAM M'KINLEY
LODGE,
NO. 8, K. of P.

Meets every SATURDAY evening at 8:30 p. m., in Harmony Hall, King Street.
Visiting brothers cordially invited to attend.

EDWIN FARMER, C.C.
E. A. JACOBSON, K. of R. & S.

HONOLULU TEMPLE NO. 1,
RATHBONE SISTERS.

Meets every 2nd and 4th Monday, at 8:00, in Pythian's Hall, King Street.
All visitors cordially invited to attend.

IDA TURNER, M.E.C.
GRACE O'BRIEN, M. of R.A.C.

LODGE LE PROGRES DE
L'OCEANIE.

Meets the last Monday in each month, at 7:30 o'clock, in Masonic Temple, corner Alakea and Hotel streets. Visiting Masons cordially invited to attend.

F. WALDRON, Secretary.

HONOLULU LODGE 616,
B. P. O. E.

Honolulu Lodge No. 616, B. P. O. E., will meet in their hall, on Miller and Beretania streets, every Friday evening.

By order of the E. R.
HARRY H. SIMPSON, Secretary.

COURT CAMOES, NO. 8110,
A. O. F.

Meets every 2nd and 4th Tuesday of each month at 7:30 p. m., in San Antonio Hall, Vineyard Street.
Visiting brothers cordially invited to attend.

A. O. ROSA, C.R.
M. C. PACHECO, F.G.

HONOLULU AERIE 140
F. O. E.

Meets on the 2nd and 4th WEDNESDAY evenings of each month at 7:30 o'clock in K. of P. Hall, King Street.
Visiting Eagles are invited to attend.

M. ROSENBERG, W.P.
H. T. MOORE, W. Secty.

THEODORE ROOSEVELT
Camp No. 1, U. S. E. V.

Department Hawaii.
Meets every first and third WEDNESDAY at Waverley Hall.
Visiting comrades cordially invited to attend.

PAUL SMITH, Cmdr.
R. H. LONG, Adjutant

The Red Front.

Carries a Full Line of UP-TO-DATE CLOTHING AND GENTS' FURNISHINGS. Give us a trial.
Nuuanu, Corner Queen.

DOCTORING
THE SOILResults of Inoculation
By Wizard With
Nitrogen.

Urban dwellers are comparatively unaware of the broadening scope of the Department of Agriculture, but from Canada to the cotton belt a grateful army of producers are profiting by the paternal and helping hand of Uncle Sam. The Bureau of Plant Industry, through the researches of its noted pathologist, Dr. George T. Moore, has given to the public the secret of a discovery which will prove of incalculable value to the tillers of the soil. At a most trifling cost impoverished land is made fertile and highly productive through its "inoculation" with nitrogen. The laboratory experiments of Dr. Moore have been put to many practical tests throughout the United States which have shown wonderful results.

It is generally known that nitrogen composes nearly 70 per cent of the air that we breathe, and, also, that it is essential to plant life. Among the ancients, Pliny commented on the advantage of a rotation of crops. It was observed long ago that a large yield of grain could be obtained from a field in which the leguminous plants, such as peas, beans and alfalfa, have been raised during the previous year. While in practice this fertilization was self-evident, the theory of its cause remained unsolved. Some years ago a German scientist concluded that the leguminosae absorbed nitrogen from the air and stored the surplus in the ground, much to its enrichment. He also noticed that certain small white nodules on the root of the plant varied in size proportionately to the vigor of the plant. Submitting some of these nodules to a microscopic examination, he discovered that they were swarming with bacteria, and that these organisms were possessed of the power of absorbing nitrogen and conveying it into the ground.

Professor Nobbe of Germany fore-saw the commercial possibilities of placing on the market a variety of cultured bacteria that would develop nitrogenous nodules on leguminous plants which would intensify their powers of fertilization. He succeeded in breeding bacteria in his laboratory, and placed his cultures on the market, giving them the name nitragin. Unfortunately for Nobbe, it was found that while these bacteria were saturated with nitrogen, their infusion of that element into the soil was of short-lived benefit. They had literally been overfed with nitrogen, and had become so enervated that they had lost their inherent power of fixing nitrogen, and utterly failed to nitrify the land.

In the laboratory of plant physiology at Washington Dr. Moore conducted a series of experiments, beginning where Professor Nobbe had come to a halt. He developed a type of bacteria possessing from five to ten times the "nitrogen-fixing power" of those contained in the normal state. These useful germs were imbued with habits of vigorous self-reliance, and unlike the satiated pampered bacteria of Professor Nobbe, proceeded hungrily to absorb the much desired nitrogen, conveying it into the ground. Dr. Moore was again gratified by the first results of "inoculation" on a practical scale. Various legumes, peas, beans, clover and alfalfa, were impregnated with these invigorated germs, and rapidly developed large tubercles, while the plants grew to unusual size and productiveness. The phenomenal, fictional "Food of the Gods" so voluminously, although graphically, described by H. G. Wells in his book of that name, had its counterpart in real life in the results derived from this wonderful fertilizing agent.

Dr. Moore, having prepared a liquid swarming with bacteria, desired to find a more convenient medium by which he could ship his germs. He promptly utilized cotton as an absorbent, and, having saturated this substance with his bacterial cultures, he dried the germ-charged texture, and found that his invention was in proper condition for transmission through the mails.

The Department of Agriculture is now distributing this marvelous fertilizer throughout the entire country. It is sent in three packages marked 1, 2 and 3, and accompanied with most explicit directions. Package No. 2 consists of a small quantity of cotton containing millions of dried, though virile, germs. Packages 1 and 3 contain the food, or media, through which the farmer is enabled to propagate these desirable bacteria.

The contents of packet 1, composed of granulated sugar, potassium phosphate and magnesium sulphate, are carefully dissolved in a gallon of clean water. The germ-saturated cotton in the second package is then dropped into the solution, which, in a covered tub, is set in a warm place, where the temperature is not above blood heat. After twenty-four hours, ammonium phosphate, contained in package 3, is added to the solution, and in about twenty hours the preparation is ready for use.

The next step is to inoculate the seed. This is moistened with the solution and dried in a shady place, thereby giving new life.

The inoculation of the soil is at the same time effected by thoroughly moistening some fresh earth, which is then mixed with from four to five times its bulk of soil. This nitrogen

soil is then spread thinly over the ground which is to be planted. It is then plowed in and harrowed after the fashion of ordinary fertilizers.

These "inoculation packets" are of pocket size and only cost the Government four cents apiece to distribute, while the treatment amounts to less than one cent an acre. The farmer is saved from thirty to forty dollars per acre, according to the estimates of its equivalent in fertilizers.

Throughout the United States agriculturists are awakening to an appreciation of the wonderful success achieved by this new process. Inoculated clover was multiplied twenty-fold in one crop, the legume leaving the ground many times more fertile. According to official analyses, a crop of inoculated, crimson clover left 4.3 pounds of nitrogen to the acre.

Millions of dollars in profit annually have commenced to flow to the pockets of the producers as a result of this discovery of Dr. Moore. In return for his altruistic labors he receives a salary of but \$2700 a year, and yet he relinquished a fortune that the common people of his country might have the advantage, and, having deeded his patent to them in the trust of the Department of Agriculture, he has further shielded his beneficiaries from the extortions of a new monopoly. There is an altruist in public service worthy the name!

HAROLD FRENCH.

REALTY TRANSACTIONS.

Entered for Record August 5, 1905.

Edward W Thwing and wf to Anna B Tucker et al D
A Gartenberg Tr to Kaeleku Sugar Co Ltd L
A Gartenberg Tr and wf et al to M S Grinbaum D
Mrs G P Kamaooha by agt to Kim Sung Yee L
Ah Young to Angi Ah Young BS
Kock Min to William McCluskey AM
Lucina de Souza to Sakamuru L
Antonio Rodrigues and wf to Lucina N de Souza M
Nora M Davis and hsb to Alexander C Dowsett D

Recorded July 28, 1905.

Pang Tung Lau to Pang Soy, D; lot 7 blk 7 bldgs, etc, Kewalo tract, Honolulu, Oahu. \$1000. B 269, p 265. Dated April 3, 1905.

Mikala Kaipu and hsb to Emma Kaipu, D; lot F of gr 3590, Dominis St, Honolulu, Oahu. \$1. B 269, p 266. Dated Feb 6, 1905.

Emma Kaipu to E G Ferreira, M; lot F of gr 3590, Dominis St, Honolulu, Oahu. \$400. B 275, p 99. Dated July 25, 1905.

Y Ahin and wf to Wing Chong Wo, M; various pcs land, bldgs, etc, Kapaemahu, Honolulu, etc, Oahu; various leaseholds, bldgs, etc, 1 buggy and 2 horses. \$6000. B 275, p 101. Dated July 25, 1905.

Y Ahin and wf to Wing Chong Wo, Add Chg; see liber 275, fol 101. \$1 and adv to \$4000. B 275, p 107. Dated July 27, 1905.

Chang Quai by attys to Sam Shee (w) et al, B S; 1-10 int in Sun Kwong Sing Co. and Sun Kwong Lee, Manoa valley, Honolulu, Oahu. \$650. B 274, p 209. Dated June 2, 1905.

James E Fullerton to C H Bellina, A M; mtg J G Thompson on hack No 91, 2 horses and set harness. \$1. B 275, p 108. Dated July 27, 1905.

Chung Moi to Kock Chu, B S; mdse, furniture and fixtures in store, Alea, Ewa, Oahu. \$900. B 274, p 210. Dated July 17, 1905.

F L Dorch to George Barker, D; lots 5 1-2 and 6 1-2 bldgs, etc, Kaili Place, Kaili, Honolulu, Oahu. \$900. B 269, p 268. Dated Sept 20, 1898.

Oahu Railway & Land Co to Matilda Parmenter, Rel; lot 9 blk 3, Pearl City, Ewa, Oahu. \$240. B 132, p 17. Dated July 21, 1905.

Matilda P Lucas and hsb (A) to Oahu Railway & Land Co, D; lot 9 blk 3, Pearl City, Ewa, Oahu. \$1 and mtg \$240. B 269, p 269. Dated June 23, 1905.

A V Gear to C Sterling, L; pc land, Beach Rd, Honolulu, Oahu. 50 yrs at \$100 per yr. B 273, p 160. Dated Sept 1, 1897.

A V Gear to C Sterling, L; pc land, Beach Rd, Honolulu, Oahu. 49 yrs at \$112.50 per an. B 273, p 163. Dated Sept 1, 1898.

Juliette M Atherton by atty to J B Atherton Est Ltd, D; 5 pcs land, King, Alapai and Young Sts, etc, Honolulu, Oahu. 450 shares cap stock valued at \$45,000. B 269, p 271. Dated July 1, 1905.

Juliette M Atherton by atty J B Atherton Est Ltd, D; 90,000 sq ft land, Lunallilo and Kinai Sts, Honolulu, Oahu; kul 11212, cor King and Punch-bowl Sts, Honolulu, Oahu. 450 shares cap stock valued \$45,000. B 269, p 274. Dated July 1, 1905.

Juliette M Atherton by atty to J B Atherton Est Ltd, D; lots 6 and 8 blk 5 and lots 7 to 10 incl, blk 40, Pearl City, Ewa, Oahu; lots 41 and 42, Pacific Heights Subdiv, Honolulu, Oahu; lots 1 and 2 blk 2 and lots 2, 3 and 9 blk 15, College Hills, Honolulu, Oahu; premises, Anapuni St, Honolulu, Oahu; pcs land, Nuuanu valley, Honolulu, Oahu. 250 shares cap stock valued at \$25,000. B 269, p 276. Dated July 1, 1905.

Lokini K Among and hsb (G) et al to Goo Wan Hoy, D; 1-4 int in R P 6198 apts 1 and 2, Kauhako, S Kona, Hawaii. \$50. B 269, p 280. Dated June 12, 1905.

Meleane K Kanee and hsb to Goo Wan Hoy, D; 1-4 int in R P 6198 apts 1 and 2, Kauhako, S Kona, Hawaii. \$100. B 269, p 281. Dated June 30, 1905.

Quintus H Berrey and wf to Frank J Wallace, D; lot 41 blk A, Kulaokahua, Honolulu, Oahu; lots 9 and 10 blk A and lots 12, 13, 14 and 15 blk D, Kapiolani Park Add, Honolulu, Oahu. \$1. B 269, p 283. Dated Nov 12, 1901.

Frank J Wallace and wf to Jennie E Berrey, D; lot 41 blk A, Kulaokahua, Honolulu, Oahu; lots 9 and 10 blk A and lots 12, 13, 14 and 15 blk D, Kapiolani Park Add, Honolulu, Oahu. \$1. B 269, p 284. Dated Nov 12, 1901.

Quintus H Berrey and wf to D W Ross, D; lot 40 blk A, Matlock Ave, Honolulu, Oahu. \$1 and mtg \$1000. B 269, p 286. Dated May 8, 1905.

D W Ross to Jennie E Berrey, D; lot 40 blk A, Matlock Ave, Honolulu, Oahu. \$1 and mtg \$1000. B 269, p 288. Dated May 8, 1905.

JAS. F. MORGAN
Auctioneer, Etc.
SALESROOMS
847-857 Kaahumanu St.Auction Sales
FOR WEEK ENDING.

Saturday, Aug. 12, 1905.

MONDAY—Furns, etc., corner Alakea and King streets.

MONDAY—Grass Linens, etc., Alakea and King streets.

TUESDAY—At salesroom, 847 Kaahumanu street.

WEDNESDAY—Furniture, 1524 Pensacola street.

THURSDAY—Furniture, 1654 Young street.

FRIDAY—Salesroom, 847 Kaahumanu street.

SATURDAY—Stocks, bonds, land, 857 Kaahumanu street.

JAS. F. MORGAN.
AUCTIONEER.THIS DAY!
Auction SaleMonday, August 7, 1905,
AT 10 O'CLOCK A. M.,

Corner King and Alakea Streets.

TO CONNOISSEURS OF CHOICE

FERNS, ETC., I will sell:

MAIDENHAIR FERNS, comprising

Adiantum Charlotteae,

Adiantum Grandiceps,

Adiantum Variegatum,

Adiantum Wiegandi,

Adiantum St. Catharinae,

Pteris Cretica, also Lineata,

Pteris Argireia,

Crytomium Fortunei, (Holy fern);

Fine Lace Maidenhair,

Double Lace Maidenhair,

5 Pots Plumose Asparagus,

4 Pots (only new) Umbrella Ferns,

4 Pots Fancy Imported Caladiums,

35 Pots Fancy Rex Begonias,

Hanging Baskets,

Fern Root Pots,

1 Elephant Ear,

4 Pots Fine Moss.

JAS. F. MORGAN,
AUCTIONEER.THIS DAY
Auction SaleMonday, August 7, 1905,
AT 10 O'CLOCK A. M.,

JUST ARRIVED FROM CHINA.

1 Dragon Embroidered Canton Linen

Table Set,

12 Napkins to match,

will be sold at the Fern Sale, corner

of King and Alakea streets.

SOMETHING CHOICE.

JAS. F. MORGAN,
AUCTIONEER.AT AUCTION
California HayTuesday, August 8, 1905
AT 12 O'CLOCK NOON,

At the Bishop wharf, opposite the Honolulu Iron Works, I will sell 800 BALES CALIFORNIA HAY, in good order, just received per Andrew Welch.

IN LOTS TO SUIT.

JAS. F. MORGAN,
AUCTIONEER.

Auction Sale

Thursday, August 10, 1905,
AT 10 O'CLOCK A. M.,

At residence of Mr. J. T. Campbell, head of Elsie avenue, on Young street No. 1654. Take King street car to nearly the junction of King street and Punahou cars.

Household Furniture!

NEAT—NEW—NATTY.

Choice Rugs, Elegant Curtains, Handsome Rockers, Neat Chairs, Pretty Oak Tables, Box Lounges, Iron and Brass Bedsteads, Oak Bureaus,

Washstands, Mirrors, Curtains, Blinds, Mosquito Nets,

VERY FINE KITCHEN RANGE,

LARGE DOUBLE DOOR REFRIG-

ERATOR,

HEAVY OAK DINING ROUND

TABLE,

SINGER SEWING MACHINE, only

three months old;

Glass Rugs, Dinner Set,

Crockery, Glassware,

Plants, Etc., Etc.

All new goods, bright and clean.

JAS. F. MORGAN,
AUCTIONEER.

At Auction

Tuesday, August 8, 1905
AT 10 O'CLOCK A. M.,

At my salesroom, 847 Kaahumanu street.

TO SPORTSMEN AND STORE-

KEEPERS.

I will sell as above,

Carving Sets, Striking Bags,

Boxing Gloves, Shoe Holders,

Baseball Belts, New Gem Safety

Razors,

Ping Pong Sets, O. K. Gas Lamps,

Trouser Hangers and Press, Hockey

Balls.

HAMMOCKS, many kinds;

Filters, Canteens,

Gun Cases, Shooting Coats,

1 "Expert" Blue Rock Trap,

Blue Rock Pigeons, Fish Hooks,

Shooting Hats, Bicycle Brakes,

Cork Screws, Hair Clippers,

Whistles, Leather Strops,

Marline Spikes,

1 Roller Top Desk, Etc., Etc.

JAS. F. MORGAN,
AUCTIONEER.

Auction Sale

Wednesday, August 9, 1905,
AT 10 O'CLOCK A. M.,

At the residence of H. W. Schmidt, 1526 Pensacola street, the balance of German hand-made furniture, consisting of

Sofa, Table and Picture,

Cabinets, Escritoires, Library Ta-

bles,

Bookcases, Pedestals, Bronzes,

Parlor Tables, French Walnut Ta-

bles,

Buffets, Magolica Jardinieres,

Elegant German Oak Cathedral Side-

board,

Leather Upholstered Dining Chairs,

Large Extension Dining Table,

Walnut Bed, very heavy;

Hair Mattresses,

Bureaus, Mirrors, Wardrobes,

Writing Desks, Chinese Flowerstands,

Refrigerator, Glassware, Meat Safe,

Stove, Etc., Etc.

JAS. F. MORGAN,
AUCTIONEER.

At Auction

SATURDAY, AUGUST 19, '05
AT 12 O'CLOCK NOON,

At my salesroom, 857 Kaahumanu street.

Land at Alewa, Honolulu, containing

14,225 square feet, more or less.

This property is situated just below

Judd street, Ewa of Liliha street and

near the residence of J. Emmeluth.

Further particulars at my office.

JAS. F. MORGAN,
AUCTIONEER.Fine Seaside Residence and
Building Sites For Sale.

I have five fine seaside lots at Kaa-lawai, eastward of Diamond Head, for sale.